OIPE
DEC 28 2005
PATENT AND TRADEMARK OFFICE
MAIL ROOM

10 Name	20 Internet Address	80 Type	30 Size	40 Expires	50 Last Modified	60 Last Accessed	70 Last Checked
image1.jpg	http://domain1.com/page1/image1.jpg 21	JPEG	5.0KB	None	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
image2.jpg	http://domain1.com/page2/image2.jpg 22	JPEG	5.0KB	None	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
image3.jpg	http://domain1.com/page3/image3.jpg 23	JPEG	5.0KB	None	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
image4.gif	http://domain2.com/page1/image4.gif 24	GIF	8.0KB	None	6/2/00 6:00AM	6/3/00 10:00PM	6/3/00 10:00PM
image5.gif	http://domain2.com/page2/image5.gif 25	GIF	8.0KB	None	6/2/00 6:00AM	6/3/00 10:00PM	6/3/00 10:00PM
image6.gif	http://domain2.com/page3/image6.gif 26	GIF	8.0KB	None	6/2/00 6:00AM	6/3/00 10:00PM	6/3/00 10:00PM
image7.jpg	http://domain3.com/page1/image7.jpg 27	JPEG	4.0KB	None	5/31/00 8:30AM	6/3/00 10:02PM	6/3/00 10:02PM
image8.jpg	http://domain3.com/page2/image8.jpg 28	JPEG	4.0KB	None	5/31/00 8:30AM	6/3/00 10:02PM	6/3/00 10:02PM
products.html	http://products.com/page1/products.html 29	HTML	31.5KB	None	None	6/3/00 10:11PM	6/3/00 10:11PM

1

FIG. 1

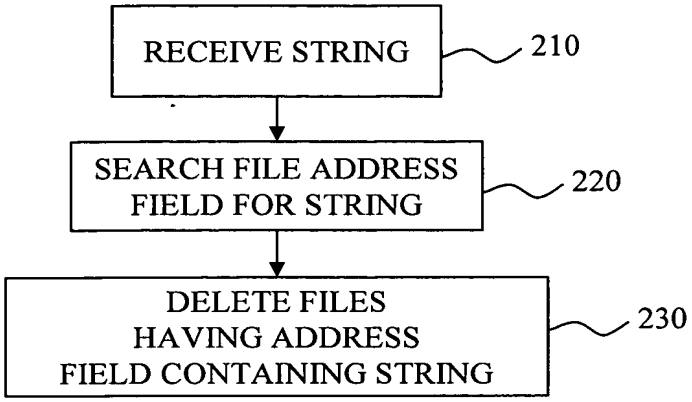
RECEIVE STRING
210
SEARCH FILE ADDRESS FIELD FOR STRING
220
DELETE FILES HAVING ADDRESS FIELD CONTAINING STRING
230

FIG. 2A

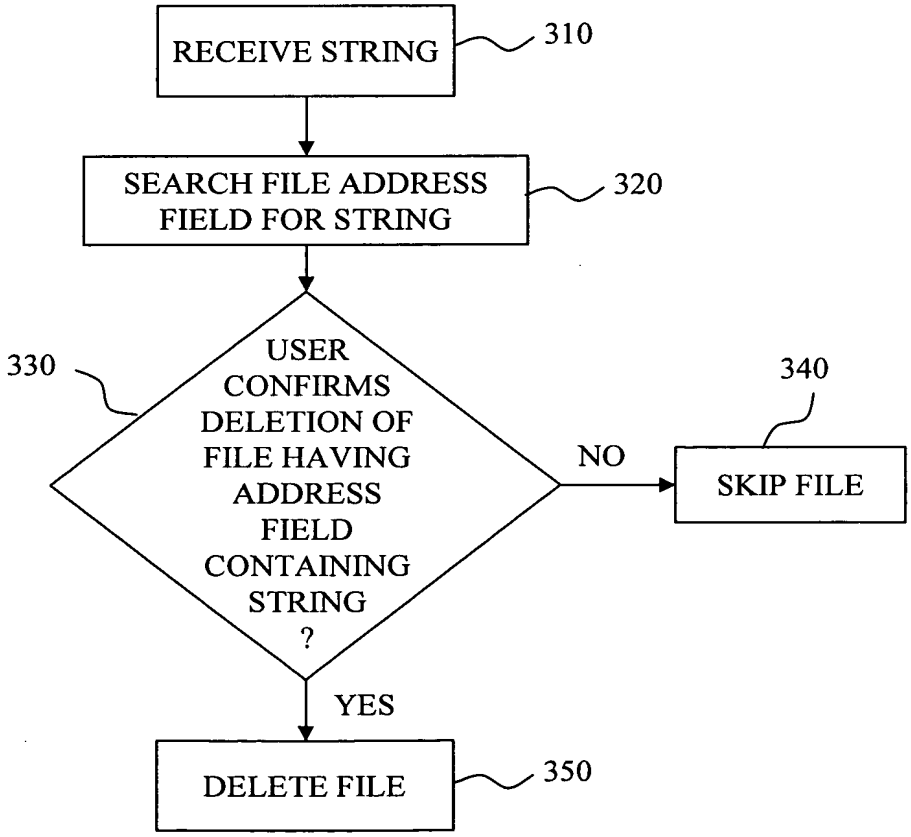
RECEIVE STRING
310
SEARCH FILE ADDRESS FIELD FOR STRING
320
330
USER CONFIRMS DELETION OF FILE HAVING ADDRESS FIELD CONTAINING STRING ?
NO
340
SKIP FILE
YES
DELETE FILE
350

FIG. 3A

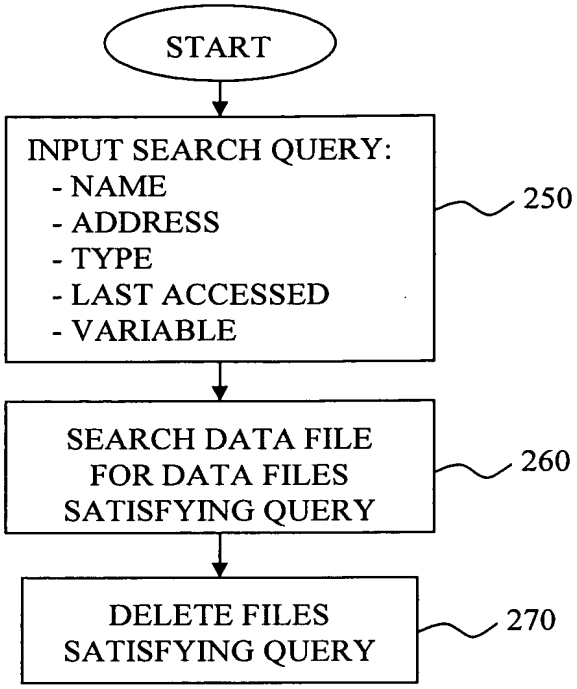
START
INPUT SEARCH QUERY:
- NAME
- ADDRESS
- TYPE
- LAST ACCESSED
- VARIABLE
250
SEARCH DATA FILE FOR DATA FILES SATISFYING QUERY
260
DELETE FILES SATISFYING QUERY
270

FIG. 2B

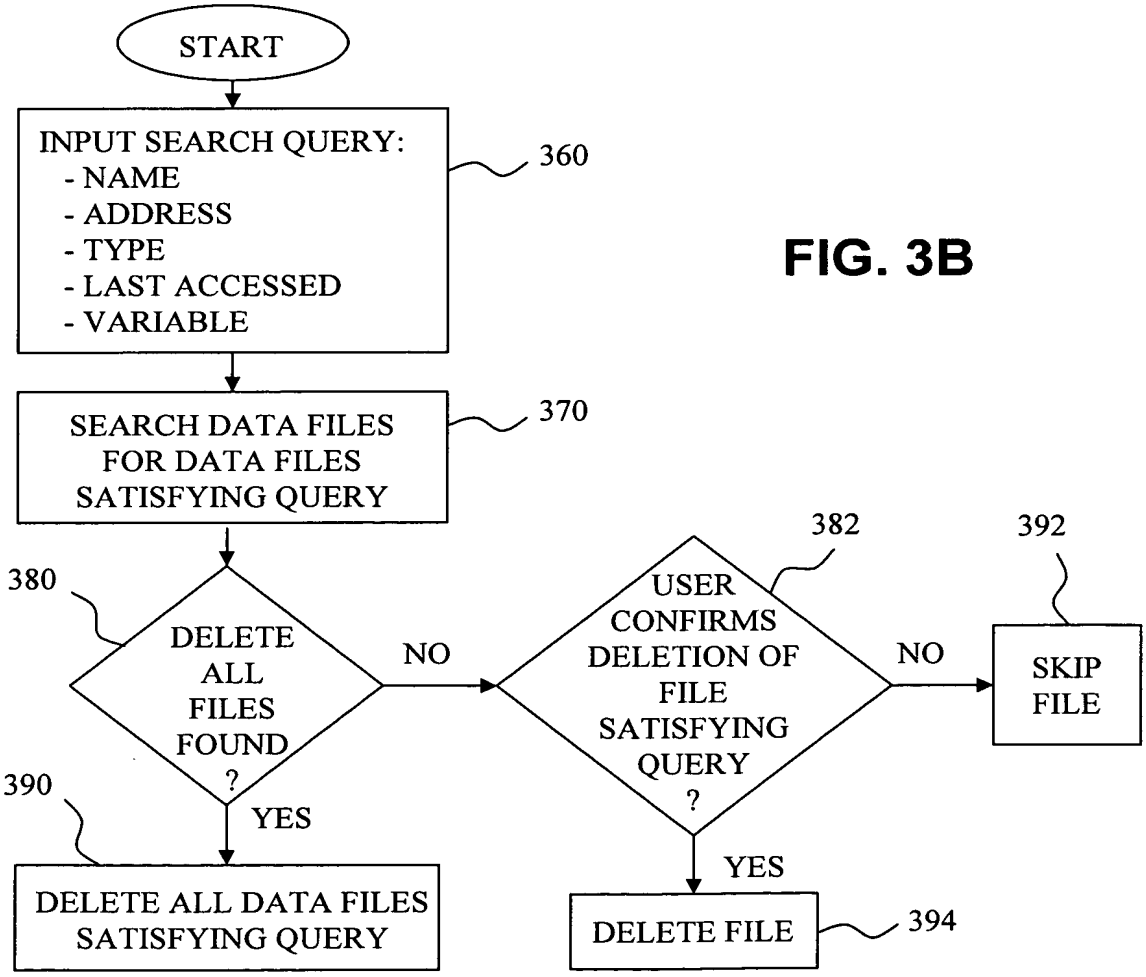
START
INPUT SEARCH QUERY:
- NAME
- ADDRESS
- TYPE
- LAST ACCESSED
- VARIABLE
360
SEARCH DATA FILES FOR DATA FILES SATISFYING QUERY
370
380
DELETE ALL FILES FOUND ?
NO
382
USER CONFIRMS DELETION OF FILE SATISFYING QUERY ?
NO
392
SKIP FILE
YES
390
DELETE ALL DATA FILES SATISFYING QUERY
YES
DELETE FILE
394

FIG. 3B

Search: "!domain1! AND Last Modified = 6/1/00"						
Name	Internet Address	Size	Expires	Last Modified	Last Accessed	Last Checked
image1.jpg	http://domain1.com/page1/image1.jpg	5 KB	None	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
image2.jpg	http://domain1.com/page2/image2.jpg	5 KB	None	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
Cookie: User@domain1.com	Cookie: User@domain1.com/	1KB	9/3/01 12:00 AM	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
index.html	http://domain1.com/index	11 KB	9/30/00 12:00 AM	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
widget.bmp	http://domain1.com/wideget.bmp	27 KB	9/30/00 12:00 AM	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM

FIG. 2D

Search: Name= !widget! or !cookie! AND Address = !domain1! AND Type = (Cookie or JPEG) AND Last Accessed >= 6/1/00 AND Site Freq >10/M				
Name: !widget! or !cookie!	Internet Address: !domain1!	Type: Cookie or JPEG	Last Accessed: >= 6/1/00	Site Freq: >10/Month
widget1104.jpg	http://domain1.com/wideget.1104.jpg	JPEG	9/30/00 12:00AM	17
Cookie: User@domain1.com	Cookie: User@domain1.com	Cookie	6/1/00 7:20AM	22

FIG. 2C

Search: "!domain1! AND !widget!"						
Name	Internet Address	Size	Expires	Last Modified	Last Accessed	Last Checked
widget.asp	http://domain1.com/wideget.asp	4KB	None	None	6/1/00 8:00AM	6/1/00 8:00AM
widget.bmp	http://domain1.com/wideget.bmp	27 KB	9/30/00 12:00 AM	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM

FIG. 2E

Search: "TYPE = cookie AND Last Accessed = 6/1/00"						
Name	Internet Address	Size	Expires	Last Modified	Last Accessed	Last Checked
Cookie: User@domain2.com	Cookie: User@domain2.com/	1 KB	10/3/01 12:00 AM	6/1/00 9:00AM	6/1/00 9:00AM	6/1/00 9:00AM
Cookie: User@domain3.com	Cookie: User@domain3.com/	1 KB	12/12/01 12:00 AM	6/1/00 7:35AM	6/1/00 8:04AM	6/1/00 8:04AM
Cookie: User@domain1.com	Cookie: User@domain1.com/	1KB	9/3/01 12:00 AM	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM

FIG. 2F

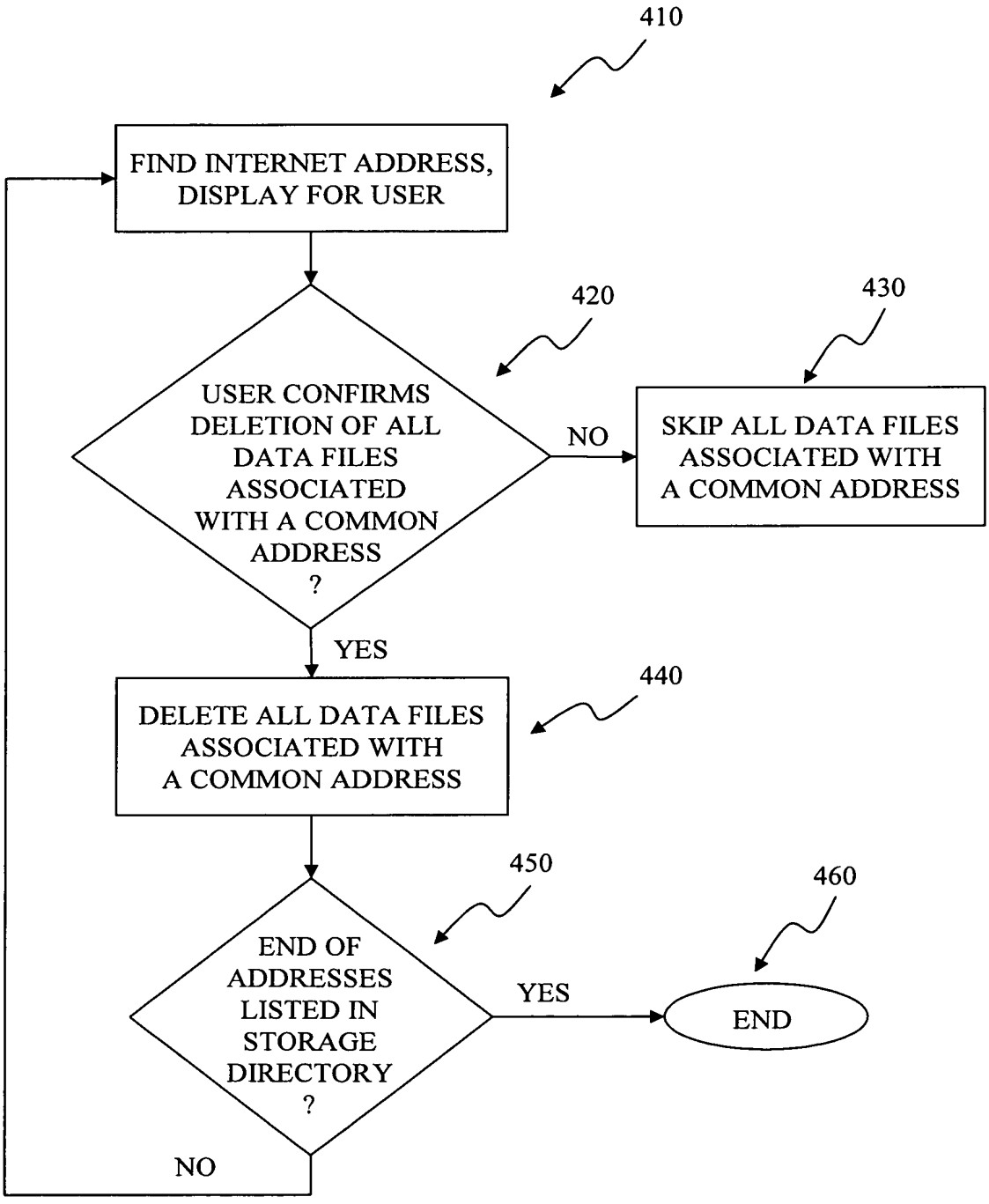
410
FIND INTERNET ADDRESS, DISPLAY FOR USER
420
USER CONFIRMS DELETION OF ALL DATA FILES ASSOCIATED WITH A COMMON ADDRESS ?
NO
430
SKIP ALL DATA FILES ASSOCIATED WITH A COMMON ADDRESS
YES
440
DELETE ALL DATA FILES ASSOCIATED WITH A COMMON ADDRESS
450
END OF ADDRESSES LISTED IN STORAGE DIRECTORY ?
YES
460
END
NO

FIG. 4

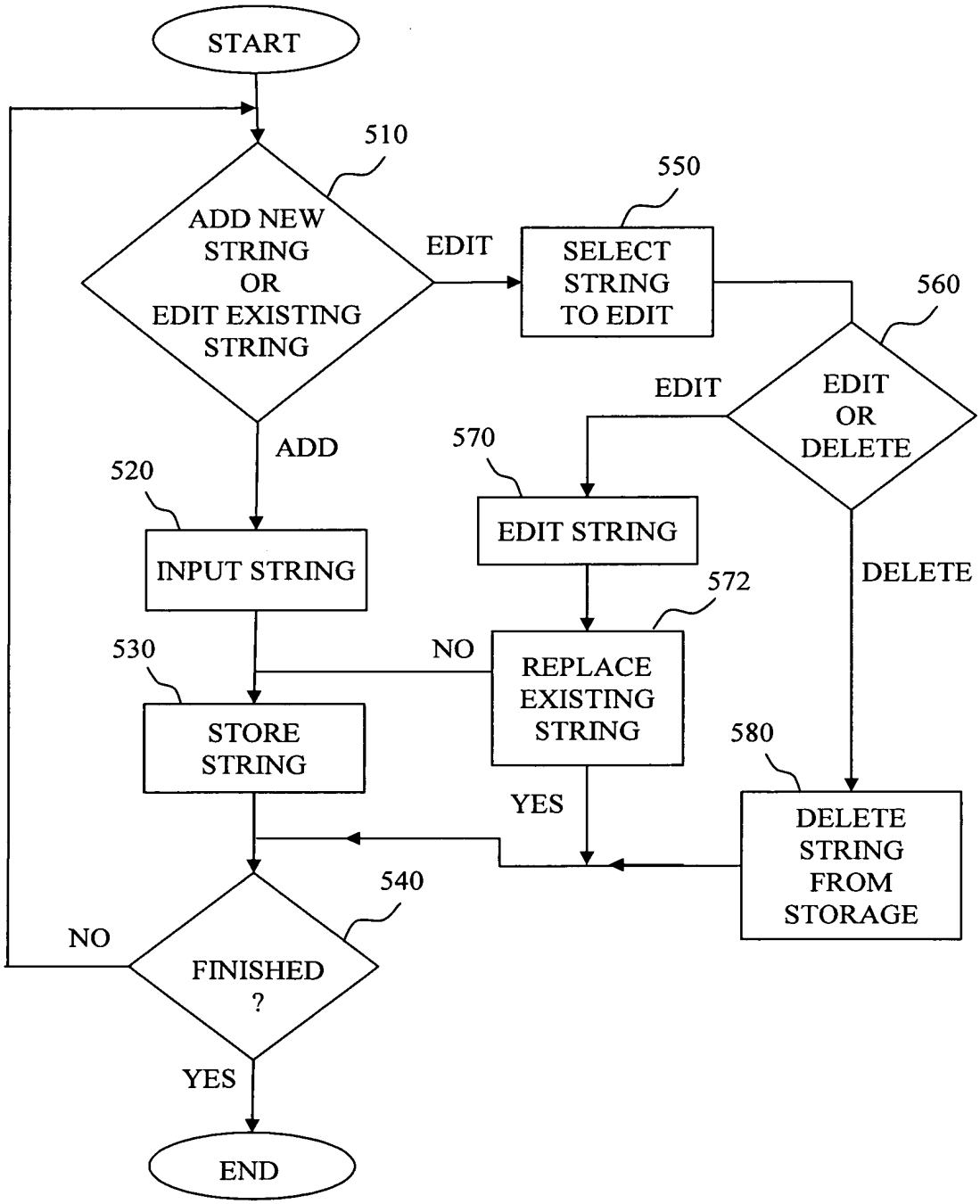
START
510
ADD NEW STRING OR EDIT EXISTING STRING
EDIT
550
SELECT STRING TO EDIT
560
EDIT OR DELETE
EDIT
ADD
570
EDIT STRING
520
INPUT STRING
572
DELETE
530
NO
REPLACE EXISTING STRING
STORE STRING
580
YES
DELETE STRING FROM STORAGE
540
NO
FINISHED ?
YES
END

FIG. 5

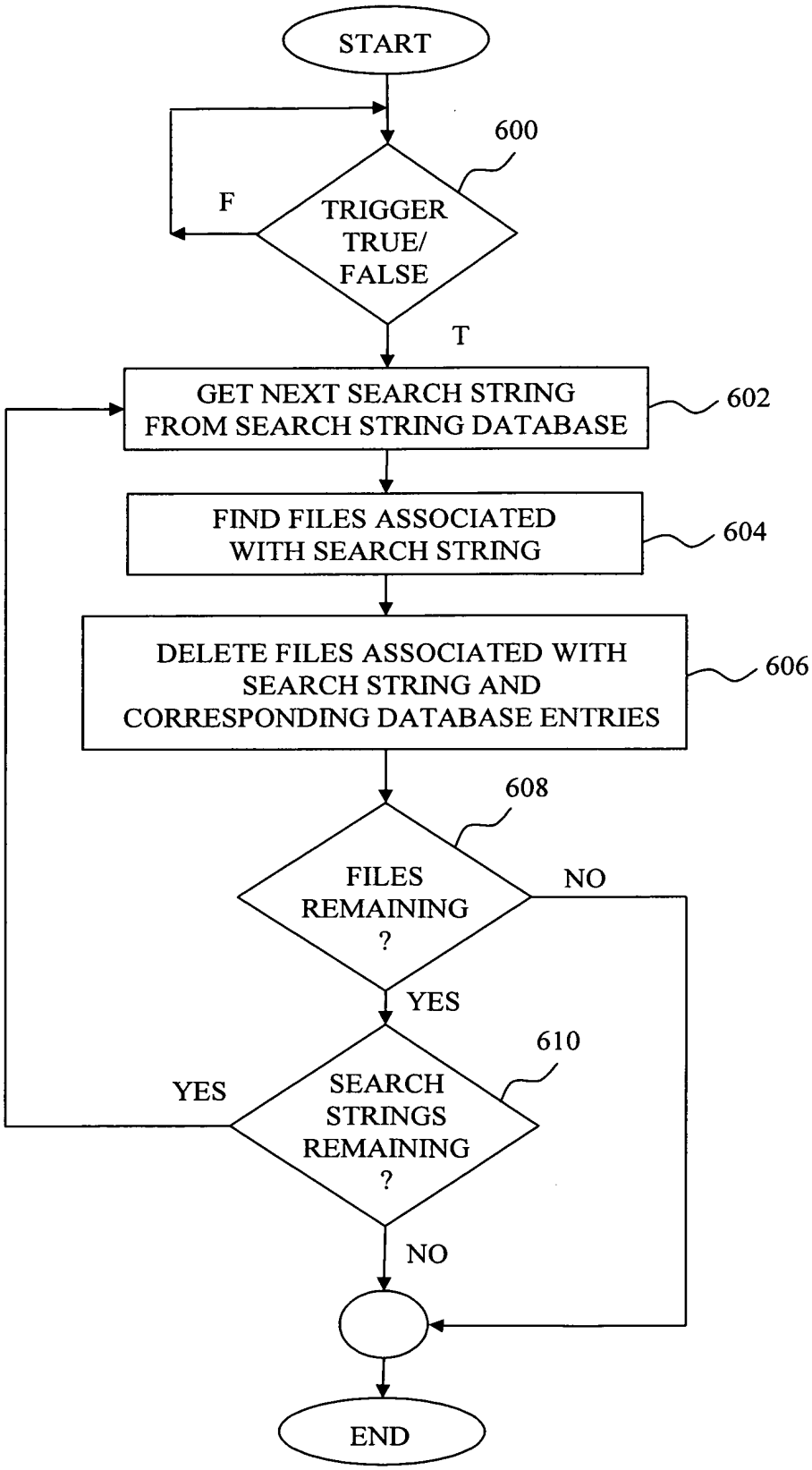
START
600
TRIGGER TRUE/ FALSE
F
T
GET NEXT SEARCH STRING FROM SEARCH STRING DATABASE
602
FIND FILES ASSOCIATED WITH SEARCH STRING
604
DELETE FILES ASSOCIATED WITH SEARCH STRING AND CORRESPONDING DATABASE ENTRIES
606
608
FILES REMAINING ?
NO
YES
610
SEARCH STRINGS REMAINING ?
YES
NO
END

FIG. 6A

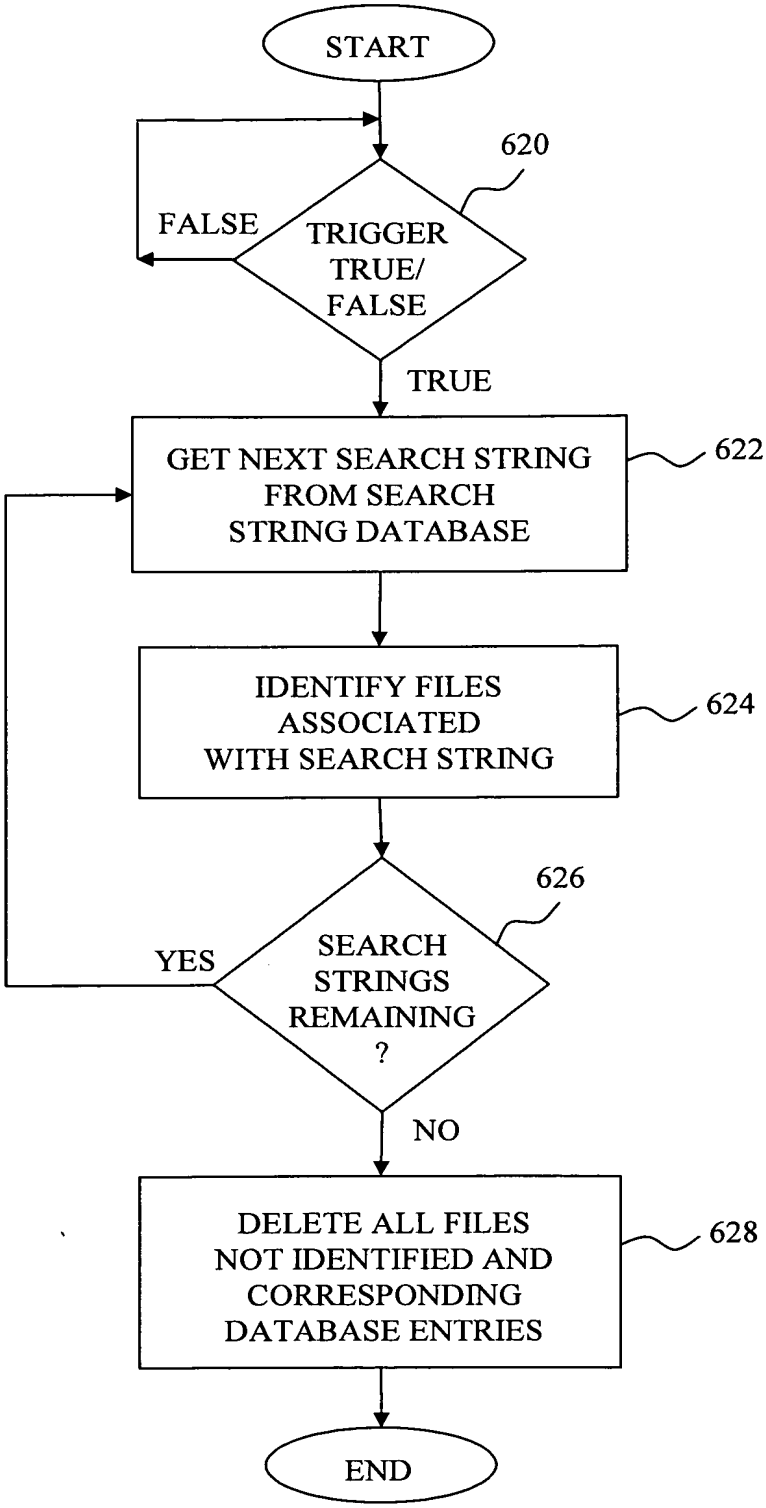
START
620
FALSE
TRIGGER TRUE/ FALSE
TRUE
GET NEXT SEARCH STRING FROM SEARCH STRING DATABASE
622
IDENTIFY FILES ASSOCIATED WITH SEARCH STRING
624
626
YES
SEARCH STRINGS REMAINING ?
NO
DELETE ALL FILES NOT IDENTIFIED AND CORRESPONDING DATABASE ENTRIES
628
END

FIG. 6B

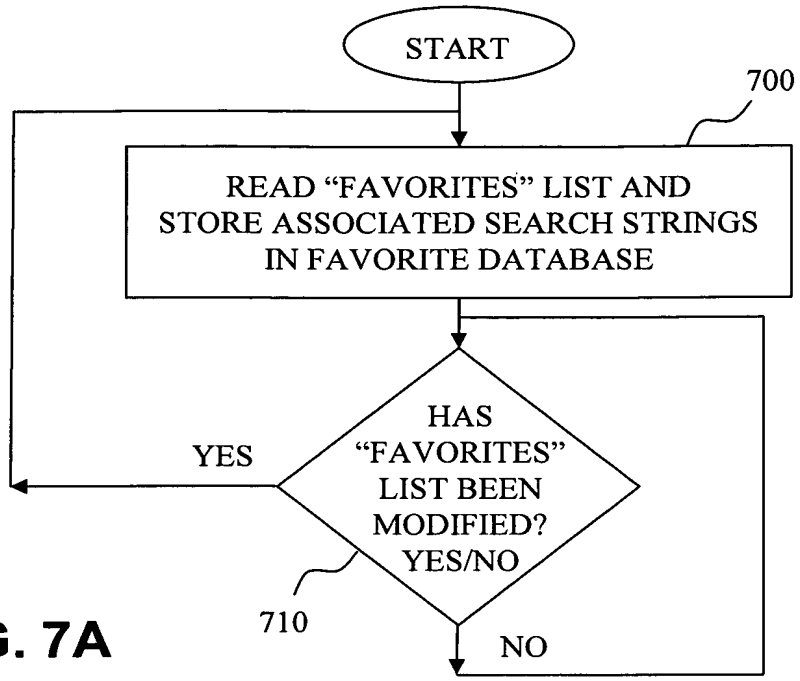
START
700
READ "FAVORITES" LIST AND STORE ASSOCIATED SEARCH STRINGS IN FAVORITE DATABASE
HAS "FAVORITES" LIST BEEN MODIFIED? YES/NO
YES
NO
710

FIG. 7A

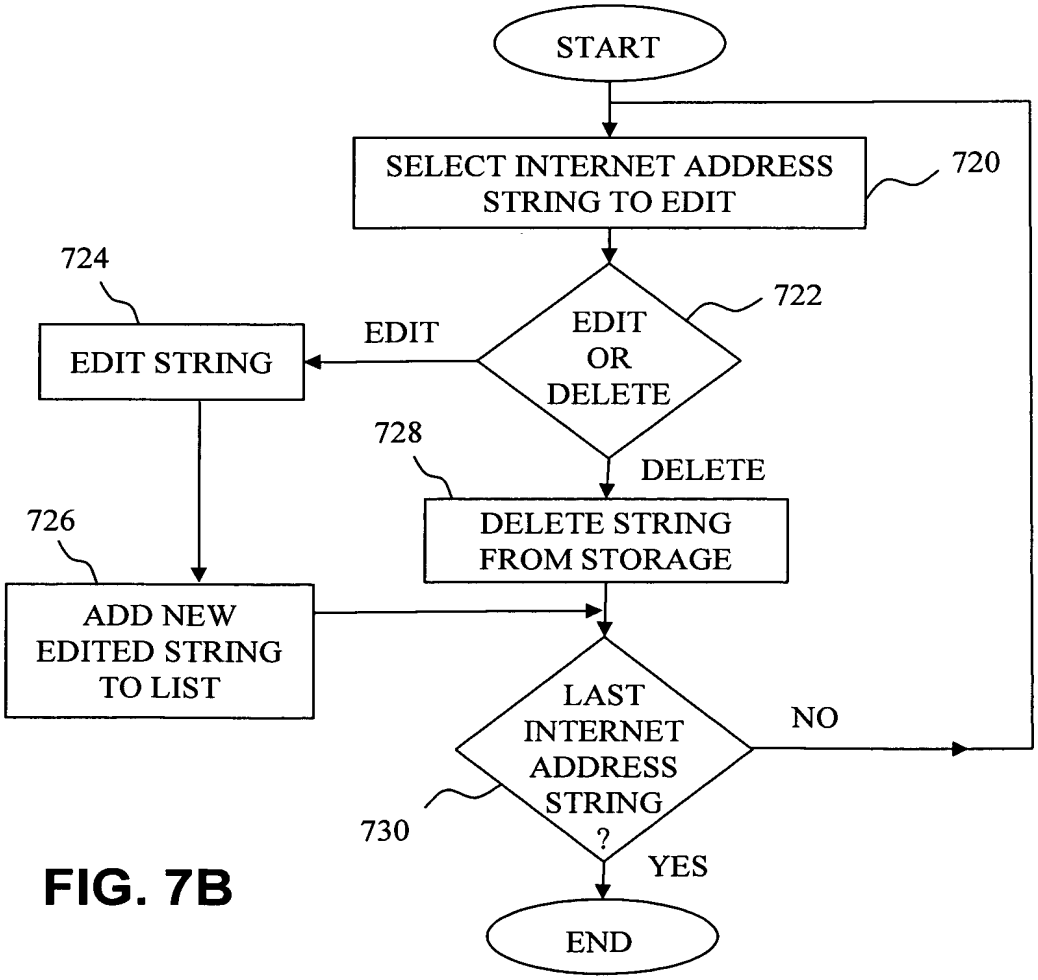
START
SELECT INTERNET ADDRESS STRING TO EDIT
720
EDIT OR DELETE
722
EDIT
EDIT STRING
724
DELETE
728
DELETE STRING FROM STORAGE
726
ADD NEW EDITED STRING TO LIST
LAST INTERNET ADDRESS STRING ?
730
NO
YES
END

FIG. 7B

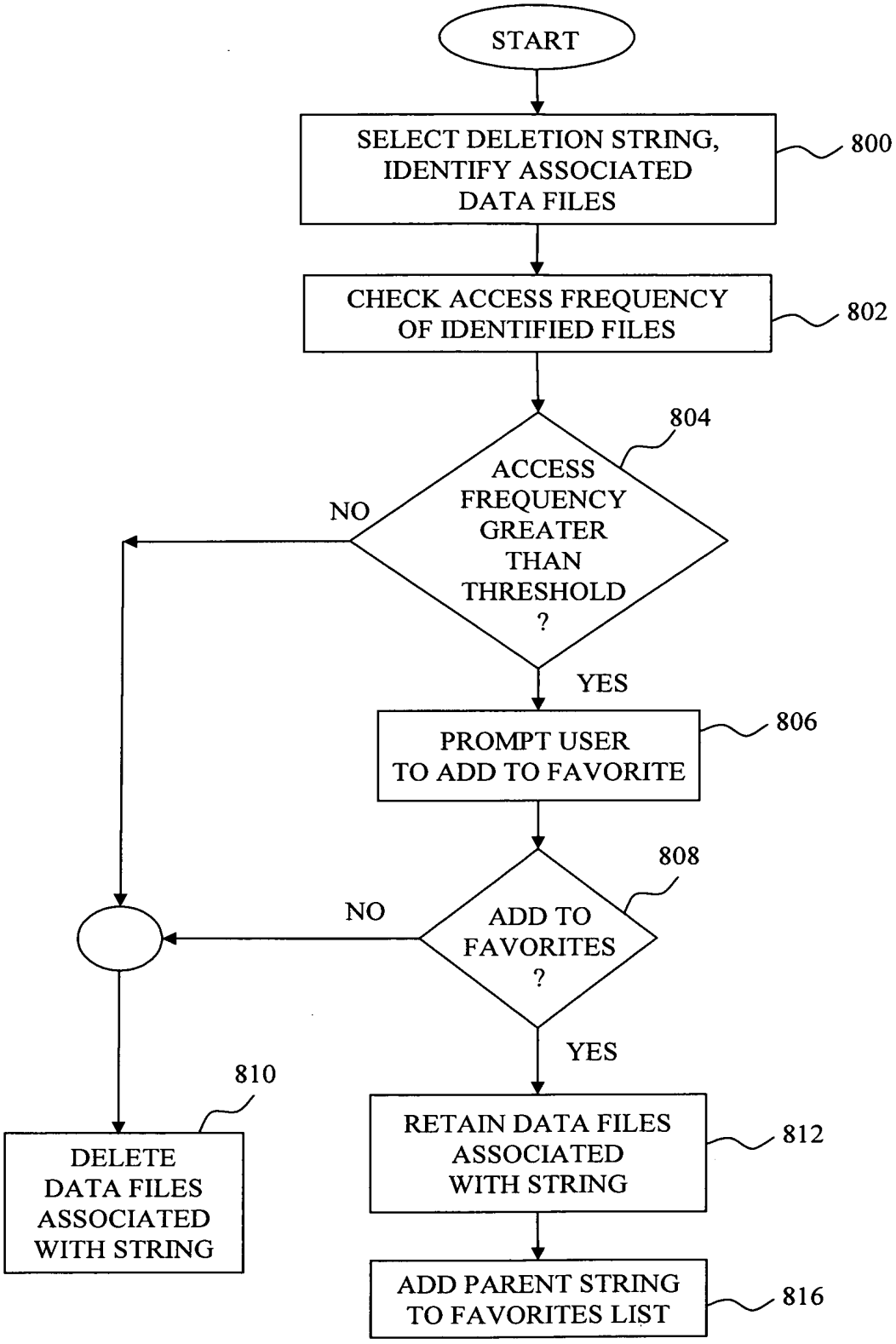
START
SELECT DELETION STRING, IDENTIFY ASSOCIATED DATA FILES
800
CHECK ACCESS FREQUENCY OF IDENTIFIED FILES
802
804
ACCESS FREQUENCY GREATER THAN THRESHOLD ?
NO
YES
PROMPT USER TO ADD TO FAVORITE
806
808
ADD TO FAVORITES ?
NO
YES
810
DELETE DATA FILES ASSOCIATED WITH STRING
RETAIN DATA FILES ASSOCIATED WITH STRING
812
ADD PARENT STRING TO FAVORITES LIST
816

FIG. 8A

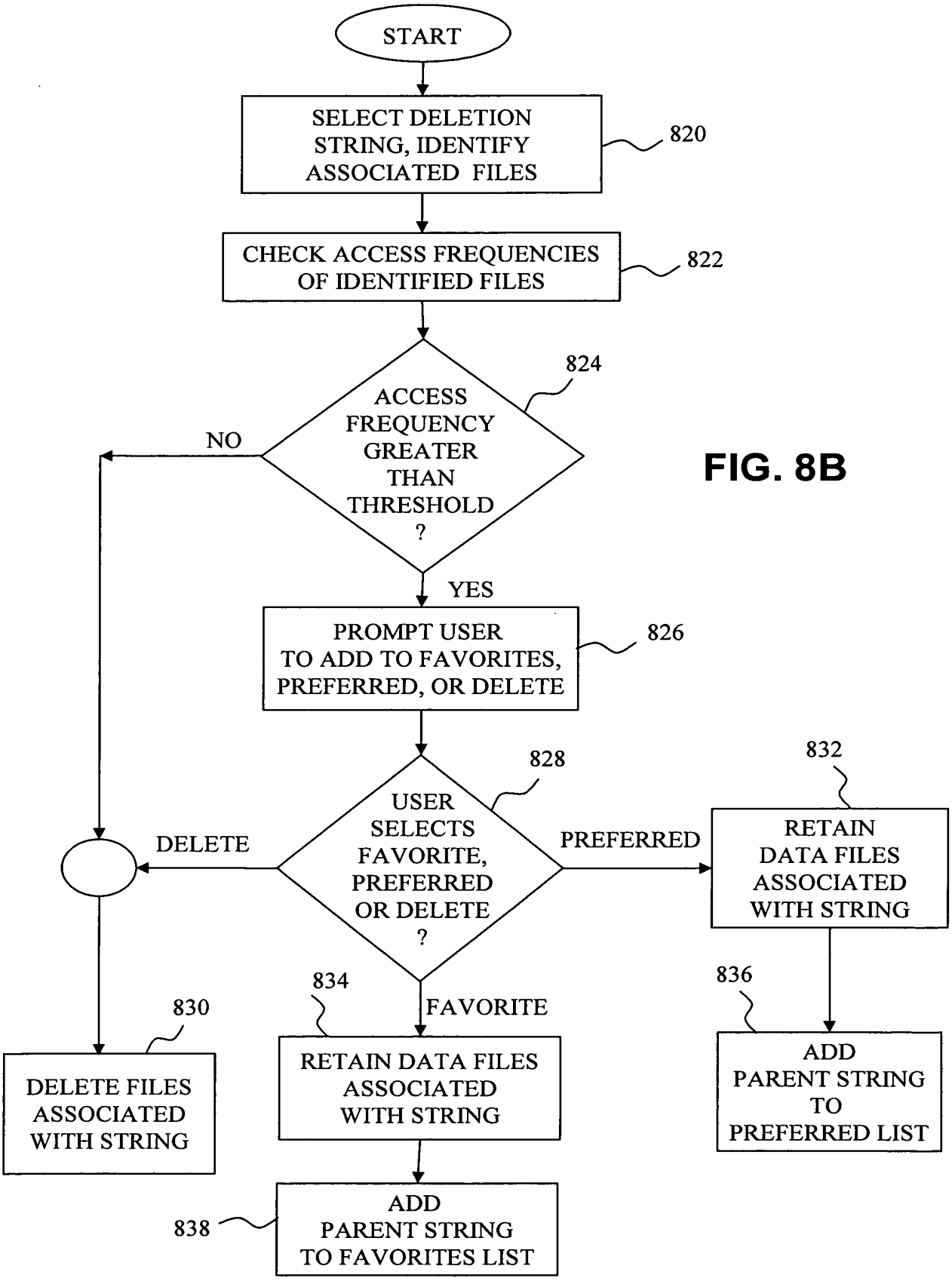
START
SELECT DELETION STRING, IDENTIFY ASSOCIATED FILES
820
CHECK ACCESS FREQUENCIES OF IDENTIFIED FILES
822
824
ACCESS FREQUENCY GREATER THAN THRESHOLD ?
NO
YES
PROMPT USER TO ADD TO FAVORITES, PREFERRED, OR DELETE
826
828
USER SELECTS FAVORITE, PREFERRED OR DELETE ?
DELETE
PREFERRED
FAVORITE
832
RETAIN DATA FILES ASSOCIATED WITH STRING
836
ADD PARENT STRING TO PREFERRED LIST
830
DELETE FILES ASSOCIATED WITH STRING
834
RETAIN DATA FILES ASSOCIATED WITH STRING
838
ADD PARENT STRING TO FAVORITES LIST

FIG. 8B

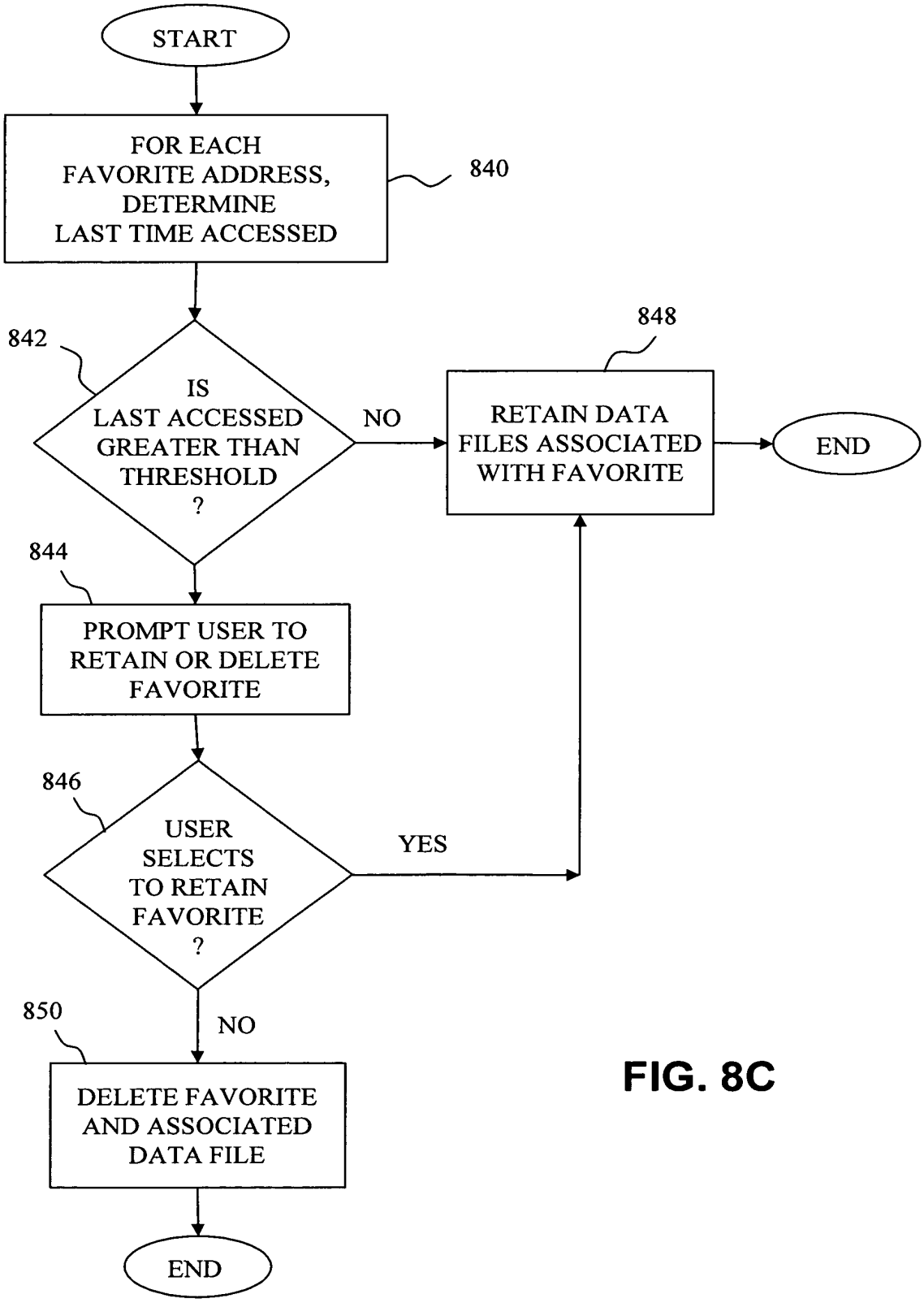
START
FOR EACH FAVORITE ADDRESS, DETERMINE LAST TIME ACCESSED
840
842
IS LAST ACCESSED GREATER THAN THRESHOLD ?
NO
848
RETAIN DATA FILES ASSOCIATED WITH FAVORITE
END
844
PROMPT USER TO RETAIN OR DELETE FAVORITE
846
USER SELECTS TO RETAIN FAVORITE ?
YES
NO
850
DELETE FAVORITE AND ASSOCIATED DATA FILE
END

FIG. 8C

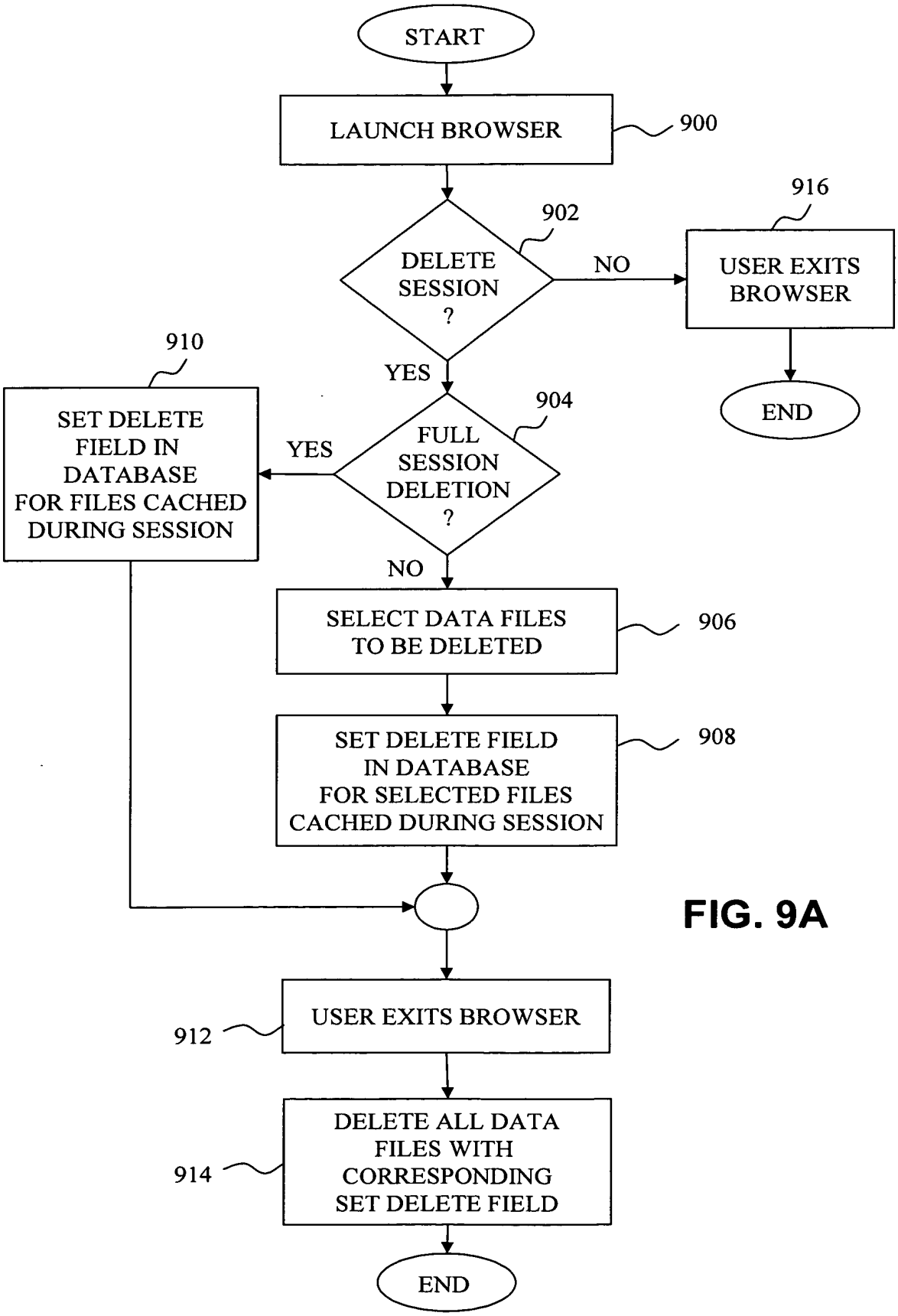
START
LAUNCH BROWSER
900
902
DELETE SESSION ?
NO
916
USER EXITS BROWSER
END
YES
904
FULL SESSION DELETION ?
YES
910
SET DELETE FIELD IN DATABASE FOR FILES CACHED DURING SESSION
NO
SELECT DATA FILES TO BE DELETED
906
SET DELETE FIELD IN DATABASE FOR SELECTED FILES CACHED DURING SESSION
908
USER EXITS BROWSER
912
DELETE ALL DATA FILES WITH CORRESPONDING SET DELETE FIELD
914
END

FIG. 9A

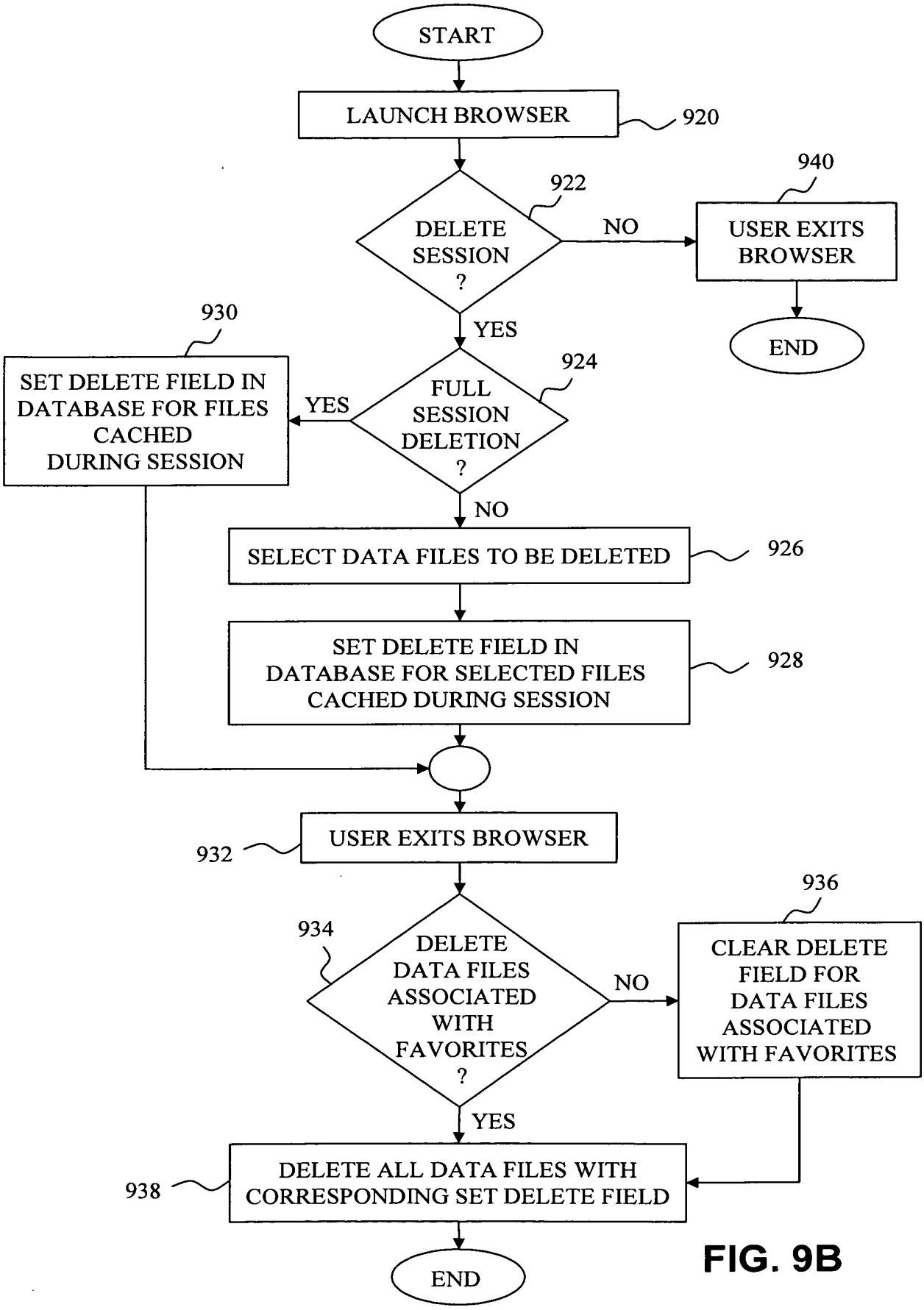
START
LAUNCH BROWSER
920
DELETE SESSION ?
922
NO
USER EXITS BROWSER
940
END
YES
FULL SESSION DELETION ?
924
YES
SET DELETE FIELD IN DATABASE FOR FILES CACHED DURING SESSION
930
NO
SELECT DATA FILES TO BE DELETED
926
SET DELETE FIELD IN DATABASE FOR SELECTED FILES CACHED DURING SESSION
928
USER EXITS BROWSER
932
DELETE DATA FILES ASSOCIATED WITH FAVORITES ?
934
NO
CLEAR DELETE FIELD FOR DATA FILES ASSOCIATED WITH FAVORITES
936
YES
DELETE ALL DATA FILES WITH CORRESPONDING SET DELETE FIELD
938
END

FIG. 9B

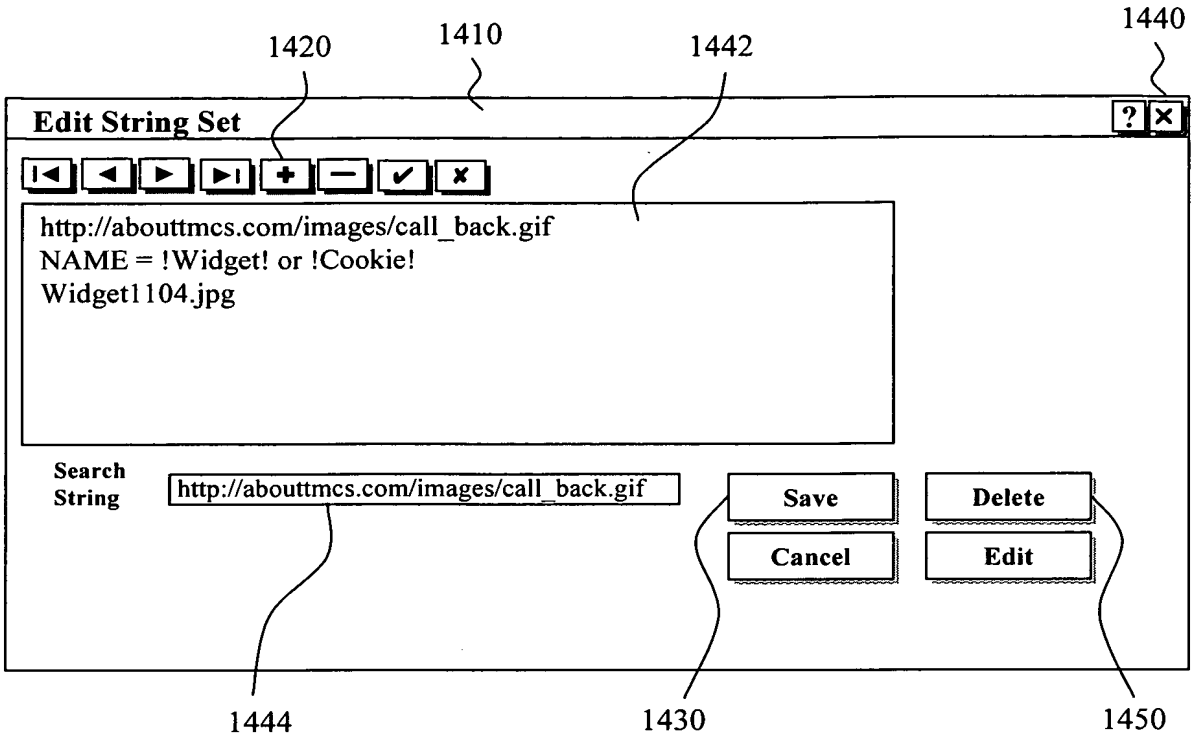

FIG. 10A

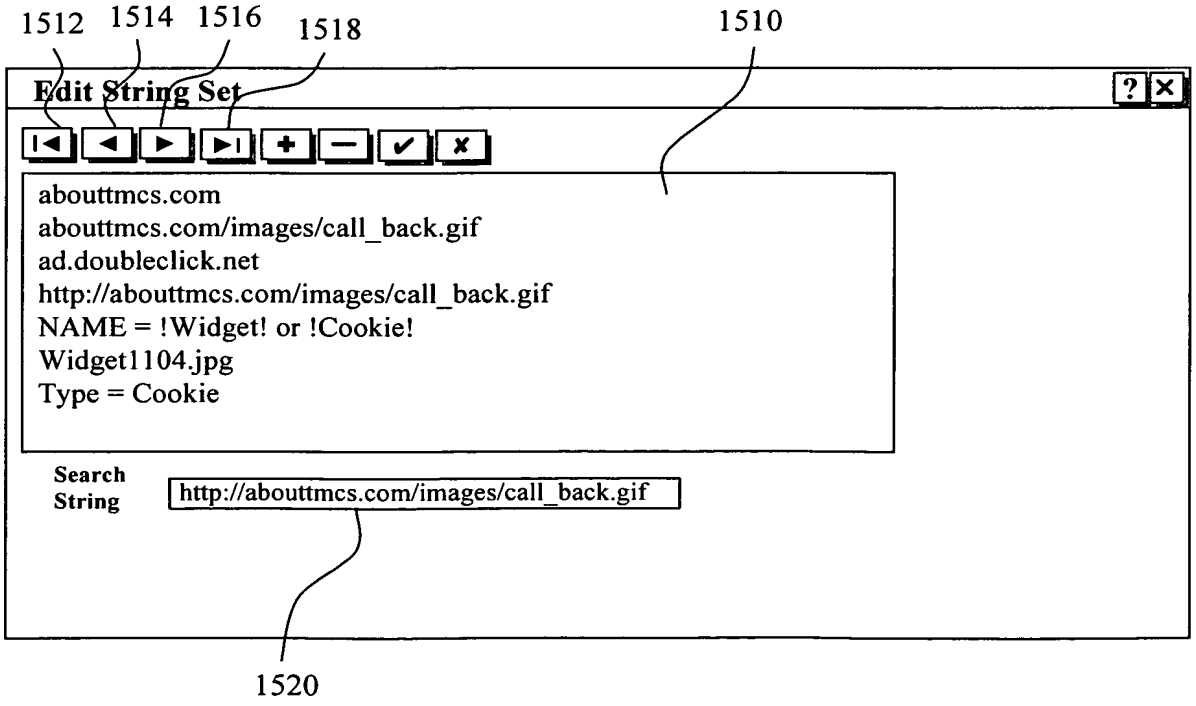

FIG. 11A

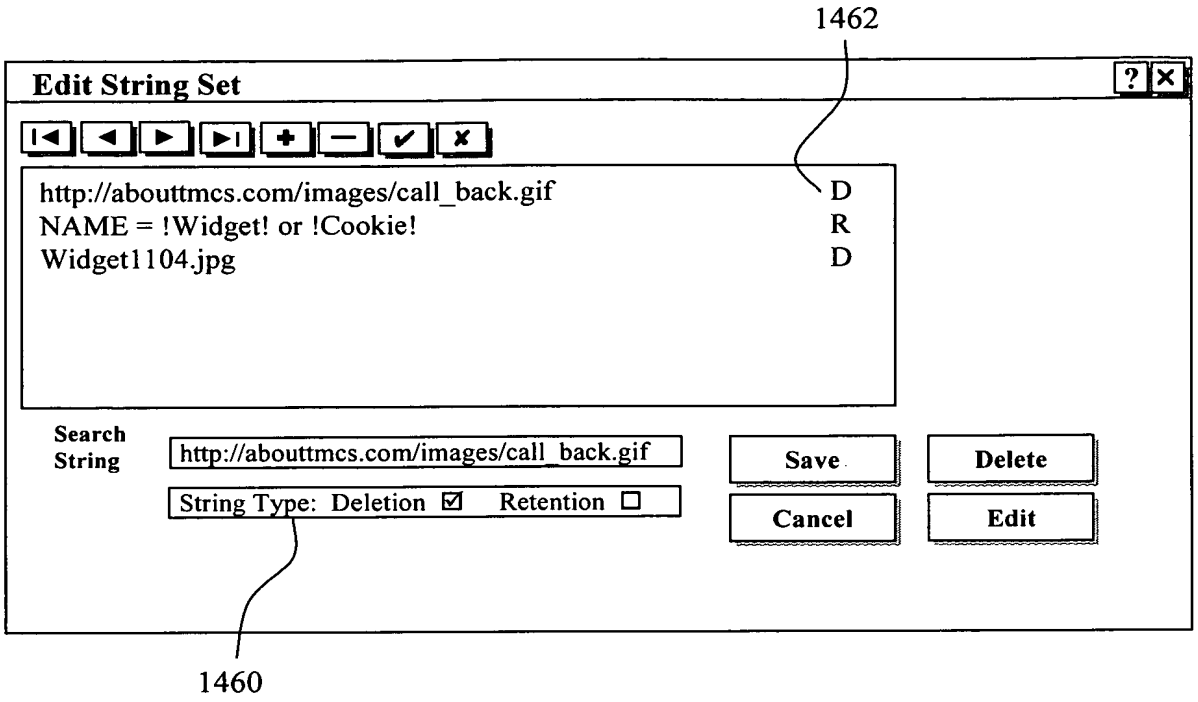

FIG. 10B

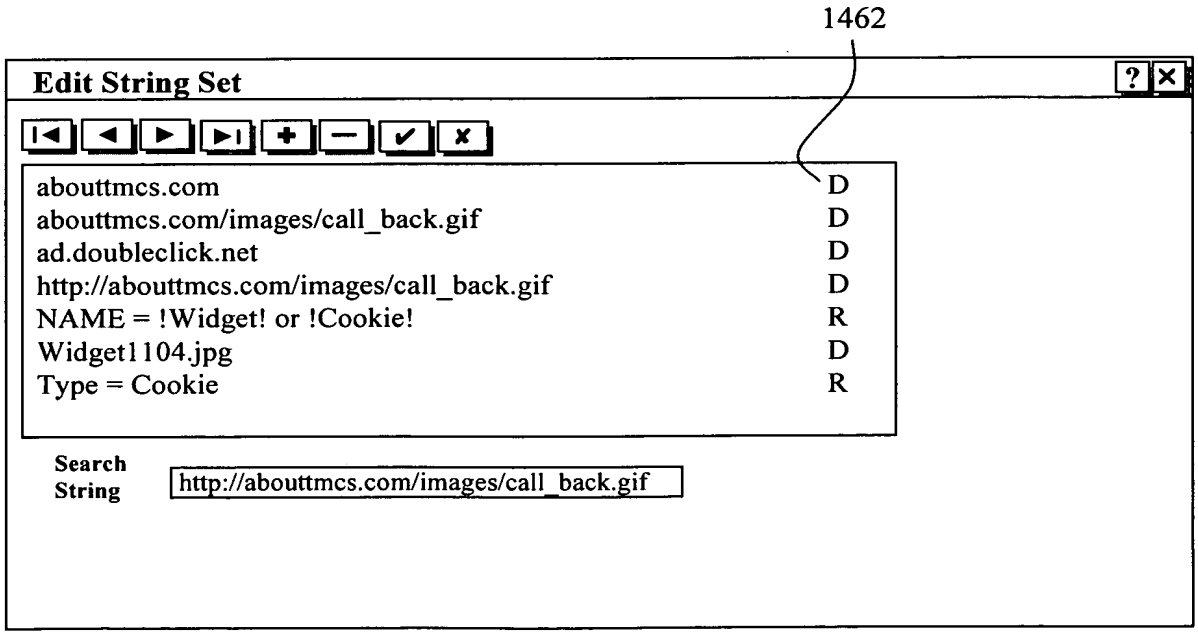

FIG. 11B

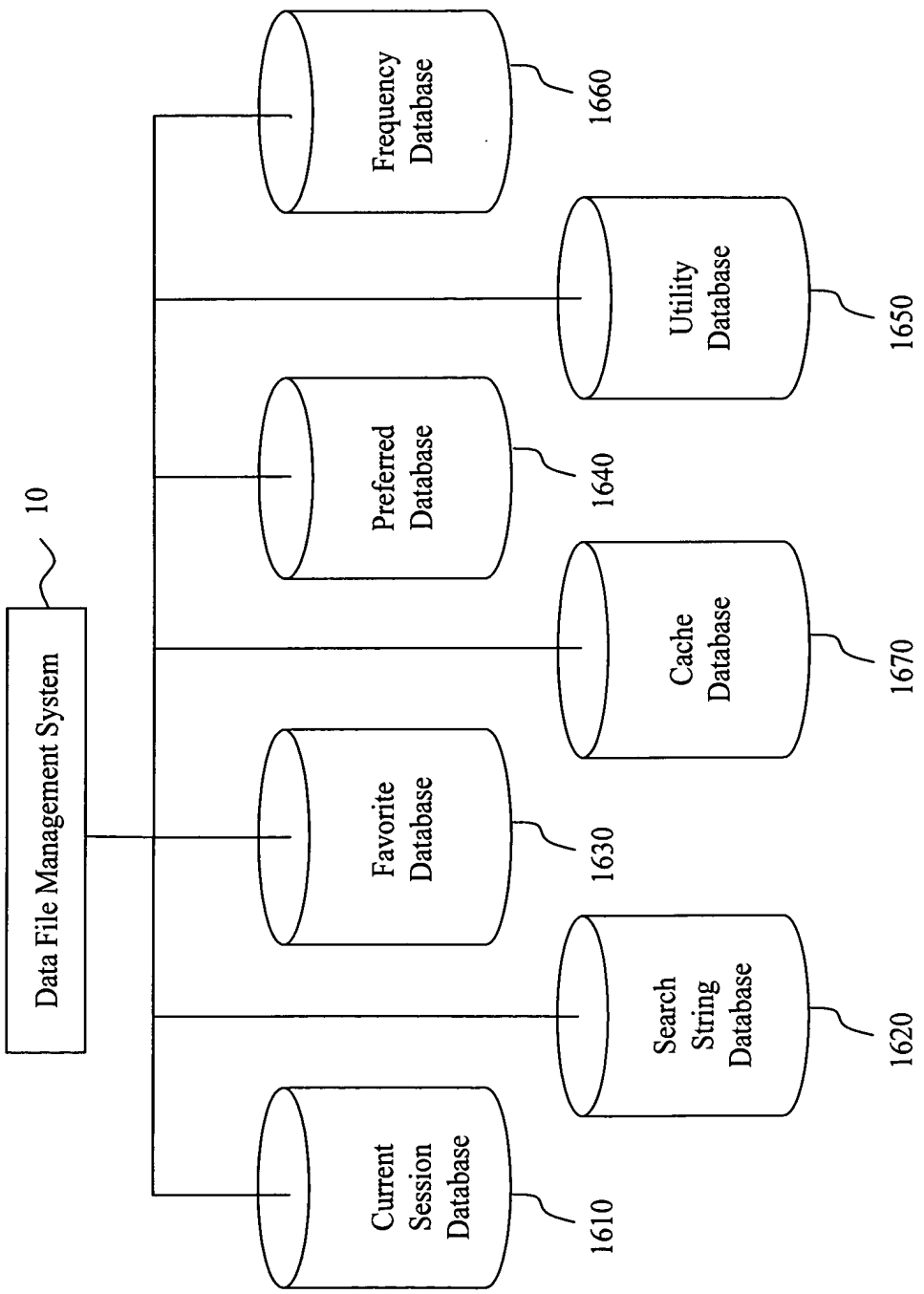
Data File Management System
10
Current Session Database
1610
Search String Database
1620
Favorite Database
1630
Cache Database
1670
Preferred Database
1640
Utility Database
1650
Frequency Database
1660

FIG. 12

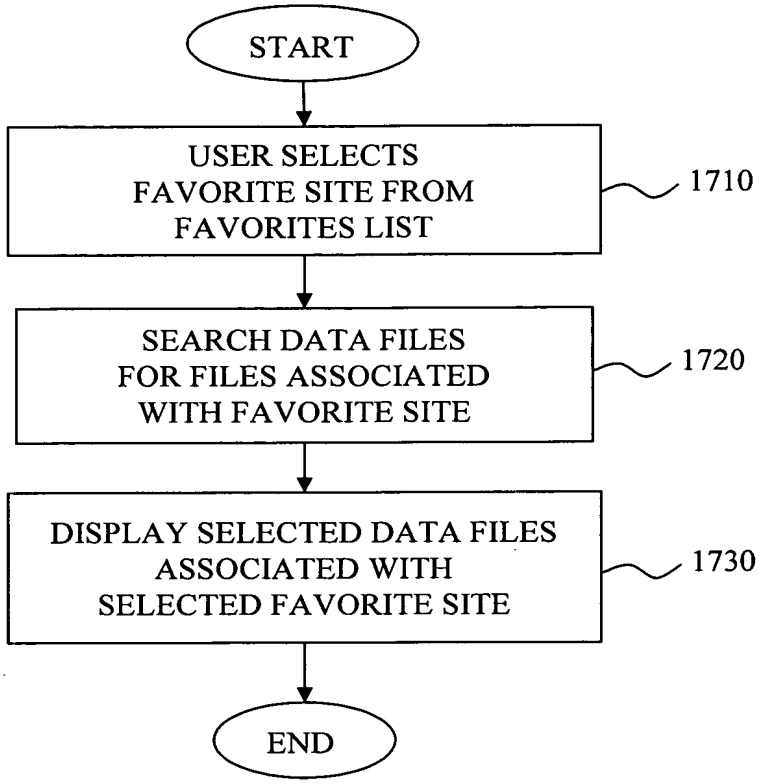
START
USER SELECTS FAVORITE SITE FROM FAVORITES LIST
1710
SEARCH DATA FILES FOR FILES ASSOCIATED WITH FAVORITE SITE
1720
DISPLAY SELECTED DATA FILES ASSOCIATED WITH SELECTED FAVORITE SITE
1730
END

FIG. 13

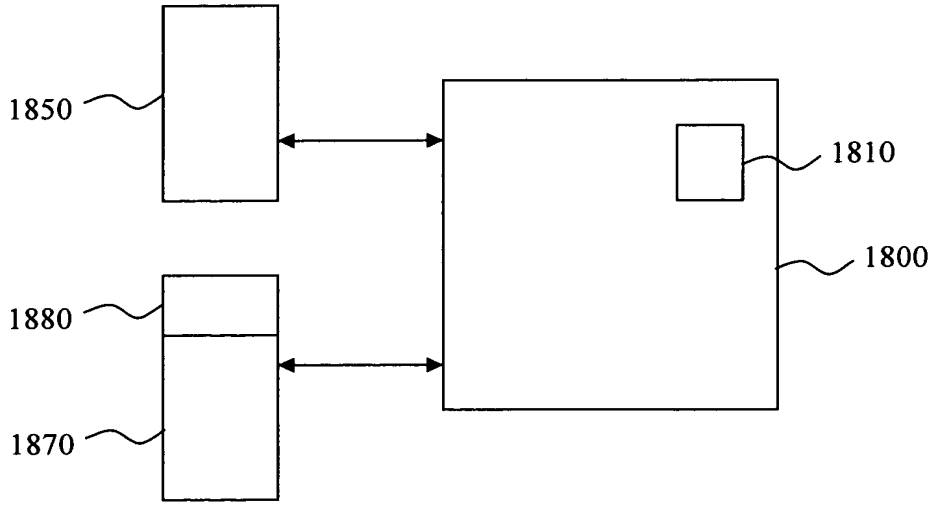
1850
1810
1800
1880
1870

FIG. 16

Files Associated With Favorite "Widgets From Domain1.com"						
Name	Internet Address	Size	Expires	Last Modified	Last Accessed	Last Checked
image1.jpg	http://domain1.com/page1/image1.jpg	5 KB	None	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
image2.jpg	http://domain1.com/page2/image2.jpg	5 KB	None	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
Cookie: User@domain1.com	Cookie: User@domain1.com/	1KB	9/3/01 12:00 AM	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
index.html	http://domain1.com/index	11 KB	9/30/00 12:00 AM	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM
widget.asp	http://domain1.com/wideget.asp	4 KB	None	None	6/1/00 8:00AM	6/1/00 8:00AM
widget.bmp	http://domain1.com/wideget.bmp	27 KB	9/30/00 12:00 AM	6/1/00 7:20AM	6/1/00 8:00AM	6/1/00 8:00AM

FIG. 14

Files Associated With Favorite "Widgets From Domain1.com"			
Name	Internet Address	Last Accessed	Delete? ☐ 1510
image1.jpg	http://domain1.com/page1/image1.jpg	6/1/00 8:00AM	☐ 1520
image2.jpg	http://domain1.com/page2/image2.jpg	6/1/00 8:00AM	☐ 1530
Cookie: User@domain1.com	Cookie: User@domain1.com/	6/1/00 8:00AM	☐ 1540
index.html	http://domain1.com/index	6/1/00 8:00AM	☐ 1550
widget.asp	http://domain1.com/wideget.asp	6/1/00 8:00AM	☐ 1560
widget.bmp	http://domain1.com/wideget.bmp	6/1/00 8:00AM	☐ 1570

FIG. 15